

DENON

AVR-E200
AV SURROUND RECEIVER

Getting Started

Mise en route / Antes de empezar / Iniciação

Read before use

Thank you for purchasing this Denon product.

This Getting Started guide will let you quickly and easily setup this unit and connect it to your other devices.

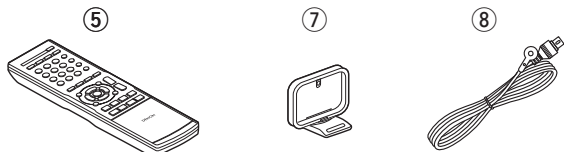
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Accessories

Check that the following parts are supplied with the product.

① Getting Started	1
② CD-ROM (Owner's manual)	1
③ Safety Instructions	1
④ Warranty (for North America model only)	1
⑤ Remote control unit (RC-1180)	1
⑥ R03/AAA batteries	2
⑦ AM loop antenna	1
⑧ FM indoor antenna	1
⑨ Speaker cable label	1






About this manual

❑ Operation buttons

The operations described in this manual are based mainly on remote control operation.

❑ Symbols

-  This symbol indicates a reference page on which related information is described.
-  This symbol indicates the page of the owner's manual on the CD-ROM provided.
-  This symbol indicates a supplementary information and tips for operations.

NOTE This symbol indicates points to remember operations or function limitations.

❑ Illustrations


Note that the illustrations in this manual are for explanation purposes and may differ from the actual unit.

❑ About the CD-ROM (Getting Started / Owner's manual)



You need to have Adobe Reader® installed on your computer to view the owner's manuals on the CD-ROM.

Click the Adobe Reader® banner in the CD-ROM menu to install the Adobe Reader® (for Windows).

If you click the  mark on the front cover of the supplied owner's manuals on the CD-ROM, the mark operation explanation screen list is displayed. Check this list before viewing the owner's manuals on the CD-ROM.

Cautions on handling

• Before turning the power switch on

Check once again that all connections are correct and that there are no problems with the connection cables.

- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When going on vacation or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

• About Condensation

If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.

If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.

• Cautions on using mobile phones

Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from this unit when it is in use.

• Moving the unit

Turn off the power and unplug the power cord from the power outlet. Next, disconnect the connection cables to other system units before moving the unit.

• About Care

- Wipe the cabinet and control panel clean with a soft cloth.
- Follow the instructions when using a chemical cleaner.
- Benzene, paint thinner or other organic solvents as well as insecticide may cause material changes and discoloration if brought into contact with the unit, and should therefore not be used.

Connecting the speakers

This unit can perform 2.0-channel (two speaker stereo), 2.1-channel (two speakers and a subwoofer) and 5.1-channel (five speakers and a subwoofer) playback. Here, we explain the installation and connection procedure when using 5.1-channel speakers.

For the installation procedure when using other than 5.1-channel, see page 23 "Installation/connection/setup of speakers (Advanced)".

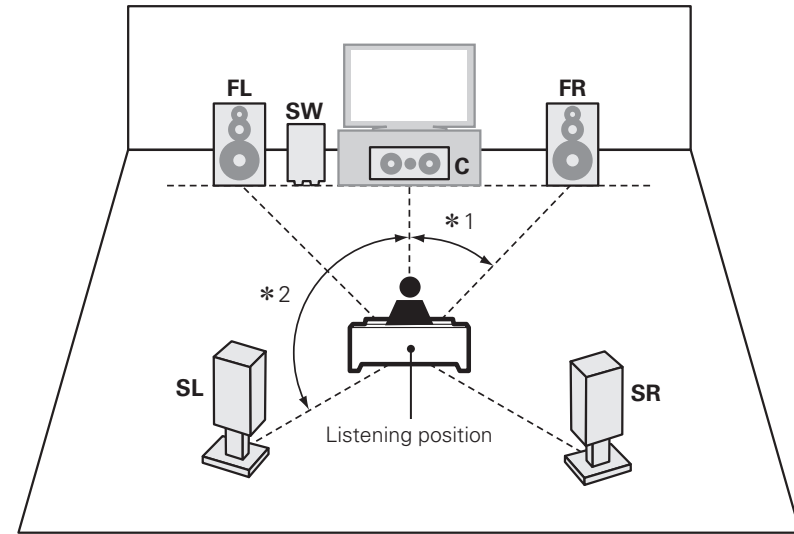
- Do not plug the power plug of the main unit into the wall socket until these preparations are complete.
- For operation of the connected devices, refer to the user manuals for each device.

What you need for this step

<p>Speaker (sold separately)</p>	<p>Subwoofer (with built-in amplifier) (sold separately)</p>	<p>TV (with HDMI input) (sold separately)</p>
<p>Speaker cable (sold separately)</p> <p>• Prepare enough for the number of speakers you will use.</p>	<p>Subwoofer cable (sold separately)</p>	<p>HDMI cable (sold separately)</p>
<p>Speaker cable label (supplied)</p>	<p>Remote control unit (supplied)</p>	<p>R03/AAA batteries (supplied)</p>

Install

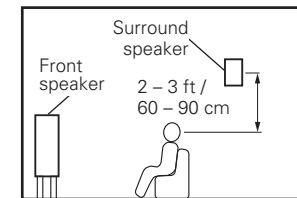
Typical 5.1-channel surround sound speakers layout



*1 22° - 30° *2 120°

- FL** Front speaker (L)
- FR** Front speaker (R)
- C** Center speaker
- SW** Subwoofer
- SL** Surround speaker (L)
- SR** Surround speaker (R)

• Use the illustration below as a guide for how high each speaker should be installed. The height does not need to be exactly the same.




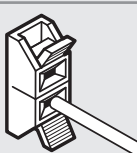


[Viewed from the side]

Preparation

Carefully check the left (L) and right (R) channels and + (red) and – (black) polarities on the speakers being connected to the this unit, and be sure to connect the channels and polarities correctly.

Connecting the speaker cable

<p>1 Peel off about 3/8 inch/10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or terminate it.</p>	
<p>2 Press the lever on the speaker terminal.</p>	
<p>3 Holding the lever on the speaker terminal, insert the core wire of the speaker cable all the way into the speaker terminal.</p>	
<p>4 Release your finger from the lever on the speaker terminal.</p>	

NOTE

- Disconnect this unit's power plug from the power outlet before connecting the speakers. Also, turn off the subwoofer.
- Connect so that the speaker cable core wires do not protrude from the speaker terminal. The protection circuit may be activated if the core wires touch the rear panel or if the + and – sides touch each other (refer to page 54 "Protection circuit").
- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock.
- Use speakers with the speaker impedances shown below.

Speaker terminals	Speaker impedance
FRONT	6 – 16 Ω/ohms
CENTER	
SURROUND	

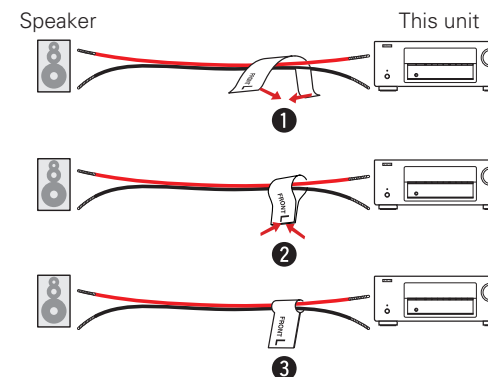
About the speaker cable label (supplied) for channel identification

The channel display section for speaker terminals on the rear panel is color-coded for each channel to be identifiable.

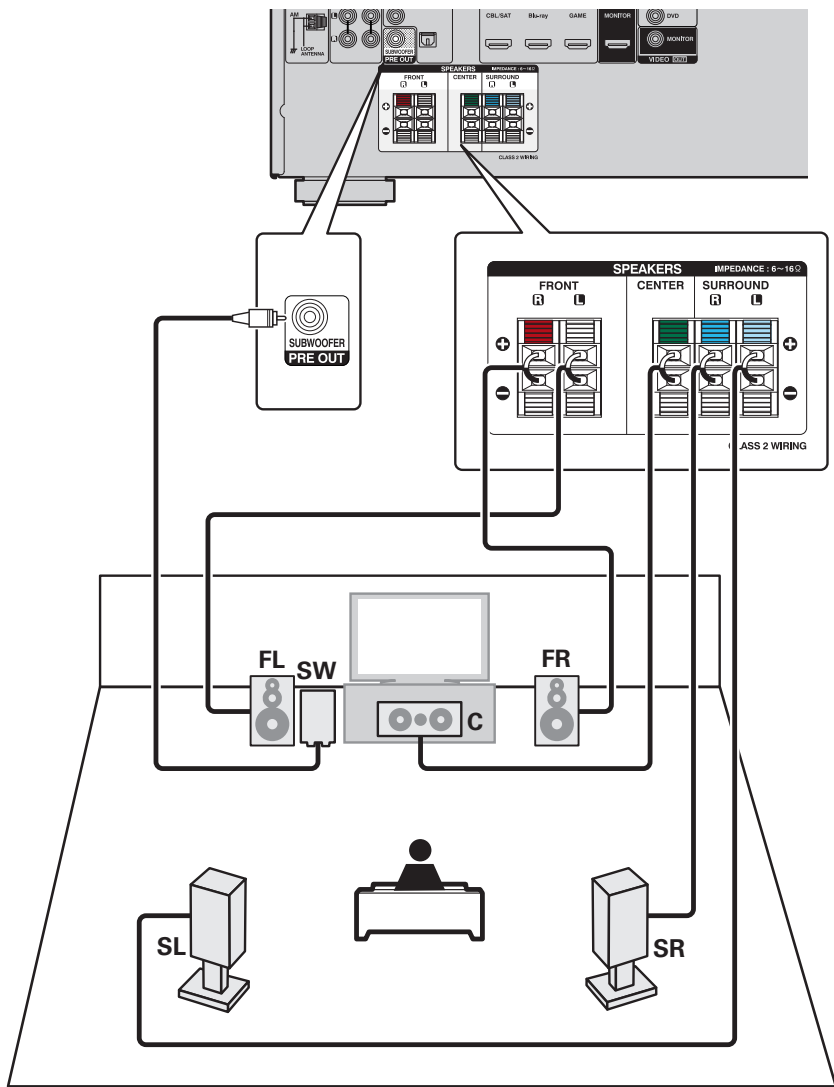
Speaker terminals	Color
FRONT L	White
FRONT R	Red
CENTER	Green
SURROUND L	Light blue
SURROUND R	Blue

Attach the speaker cable label for each channel to its speaker cable as shown in the diagram. Then, make the connection so that the color of the speaker terminal matches that of the speaker cable label.

[How to attach the speaker cable label]



Connect



Connect

Preparation

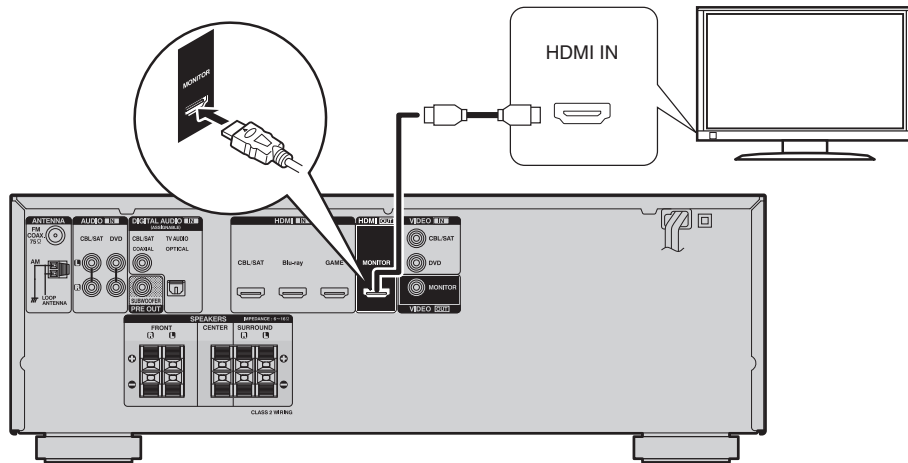
Setup

Playback

Before setting up the speakers

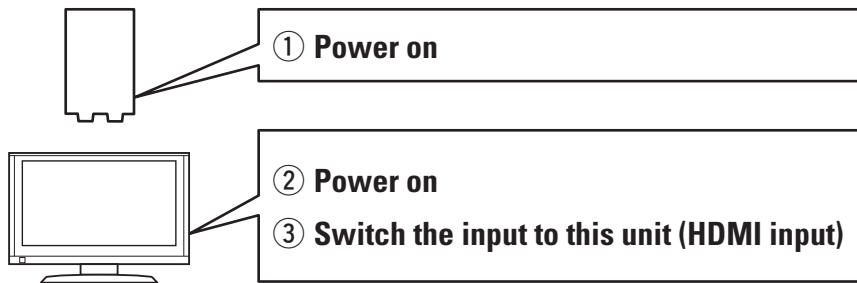
1 Connect this unit to the television using an HDMI cable (sold separately)

When a device supporting Deep Color signal transfer is connected, use a cable compatible "High Speed HDMI cable" or "High Speed HDMI cable with Ethernet".

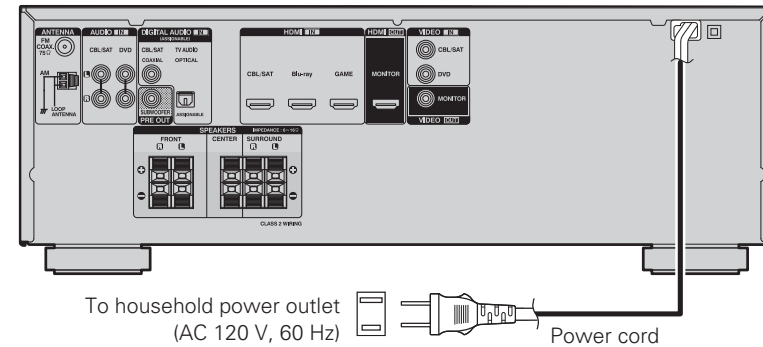


2 Turn the television and subwoofer power on, and switch the video input to this unit (HDMI input)

For details on how to operate the television and subwoofer, see the television and subwoofer instruction manual.



3 Insert the main unit power plug into the wall socket



4 Insert the provided batteries into the remote control unit

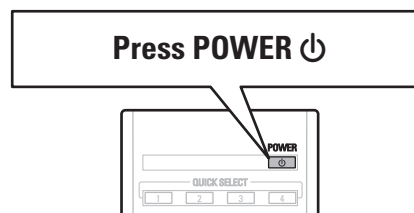
- 1 Remove the rear lid in the direction of the arrow and remove it.
- 2 Load the two batteries properly as indicated by the marks in the battery compartment.




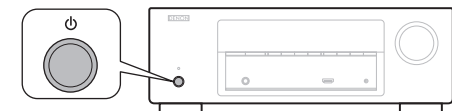
- 3 Put the rear cover back on.

5 Turn on power to the unit

The power indicator flashes green and the power turns on.



- You can also switch the power from standby to on by pressing  on the main unit.



Set up speakers

For optimum surround playback, adjustment of the distance of speakers and sound level of each channel, using the test tone, are required, depending on the environment for speakers to be used.

The settings for the following 5 items should be made:

Speaker Config.

Indicate speaker presence and select speaker size categories based on bass reproduction capability.

Distances

Set distance from listening position to speakers. Measure beforehand the distance from the listening position to each speaker.

Levels

Set the volume of the test tone to be the same when it is output from each speaker.

Crossovers

Set the maximum frequency of the bass signal output from each channel to the subwoofer. Set the Crossover Frequency to suit the bass reproduction capability of the speaker being used.

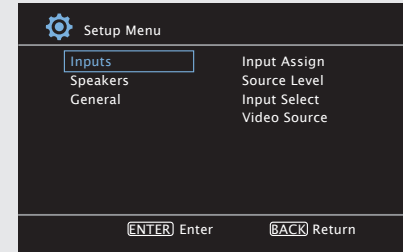
Bass

Set subwoofer and LFE signal range playback.

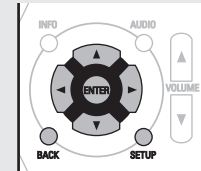
Menu operation

1 Press **SETUP**.

The menu is displayed on the TV screen of this unit.



2 Use Δ / ∇ to select “Speakers”, and then press **ENTER**.



3 Use Δ / ∇ to select the menu to be set or operated, and then press **ENTER**.

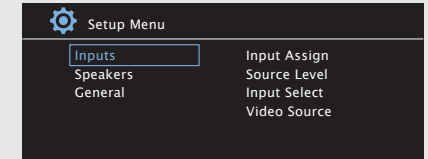
4 Use \triangleleft / \triangleright to select a detailed setting, and then press **ENTER**.

- To return to the previous item, press **BACK**.
- Exiting the Menu, press **SETUP** while the menu is displayed. The menu display disappears.

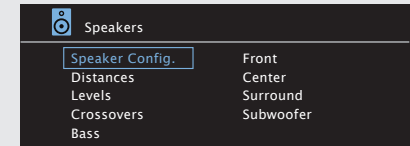
Speaker Config.

1 Press **SETUP**.

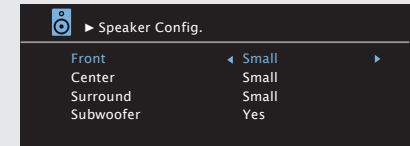
The menu is displayed on the TV screen of this unit.



2 Use Δ / ∇ to select “Speakers”, and then press **ENTER**.



3 Use Δ / ∇ to select “Speaker Config.”, and then press **ENTER**.



NOTE

Do not use the outward shape or size of the speaker to determine selection of a “Large” or “Small” speaker. Instead, use the frequencies set in “Crossovers” (page 8) as the standard for determining bass reproduction capability.

See overleaf

Speaker Config. (Continue)

Default settings are underlined.

4 Use $\triangle\triangledown$ to select a speaker, and use $\triangleleft\triangleright$ to select a detailed setting.

Items to be set are shown below.

Front Set the front speaker size.

- **Large** : Use a large speaker that can adequately play back very low bass frequencies.
- **Small** : Use a small speaker that has inadequate playback capacity for very low bass frequencies. Note that for most multi-channel speakers, this is the best choice.

- When "Subwoofer" is set to "No", "Front" is automatically set to "Large".
- When "Front" is set to "Small", "Center" and "Surround" can not be set to "Large".

Center Set the presence and size of the center speaker.

- **Large** : Use a large speaker that can adequately play back very low bass frequencies.
- **Small** : Use a small speaker that has inadequate playback capacity for very low bass frequencies. Note that for most multi-channel speakers, this is the best choice.
- **None** : Select when a center speaker is not connected.

- "Large" is not displayed when "Front" is set to "Small".

Surround Set the presence and size of the surround speakers.

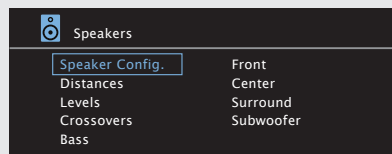
- **Large** : Use a large speaker that can adequately play back very low bass frequencies.
- **Small** : Use a small speaker that has inadequate playback capacity for very low bass frequencies. Note that this is almost always the best choice.
- **None** : Select when the surround speakers are not connected.

Subwoofer Set the presence of a subwoofer.

- **Yes** : Use a subwoofer.
- **No** : Select when a subwoofer is not connected.

- When "Front" is set to "Small", "Subwoofer" is automatically set to "Yes".

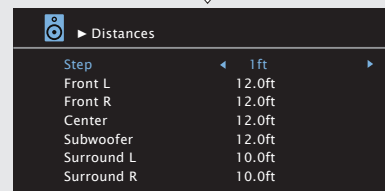
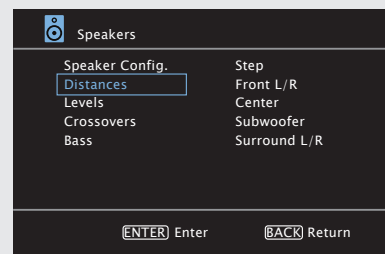
5 Press ENTER to enter the setting.



Distances

Default settings are underlined>.

1 Use $\triangle\triangledown$ to select "Distances", and then press ENTER.



2 Use $\triangleleft\triangleright$ to change the step (minimum variable distance).

1ft : For changing in 1-foot steps.

0.1ft : For changing in 0.1-foot steps.

3 Use $\triangle\triangledown$ to select a speaker, and use $\triangleleft\triangleright$ to select distance.

Front L / Front R / Center / Subwoofer / Surround L / Surround R

Select speaker for distance setting.

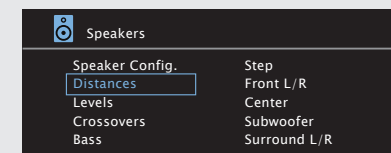
- **0.0ft – 60.0ft** : Set the distance.

- The speakers that can be selected differ depending on the "Speaker Config." (page 6) settings.
- Default settings :
Front L / Front R / Center / Subwoofer : 12.0 ft
Surround L / Surround R : 10.0 ft
- Set the difference in the distance between the speakers to less than 20 ft.

NOTE

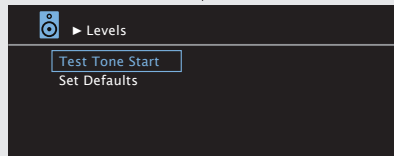
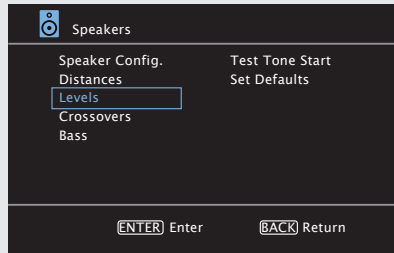
Speakers set to "None" in "Speaker Config." (page 6) are not displayed.

4 Press ENTER to enter the setting.

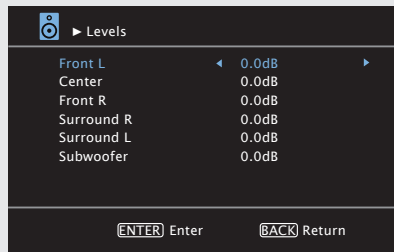


Levels

- 1** Use Δ / ∇ to select “Levels”, and then press **ENTER**.



- 2** Press **ENTER**.
Output test tone.



- 3** Use Δ / ∇ to select a speaker, and use \triangleleft / \triangleright to adjust the sound volume of each speaker to be equal.

Front L / Center / Front R / Surround R / Surround L / Subwoofer

A test tone is output from the selected speaker. While listening to the test tone, adjust the output from the selected speaker so that it matches the sound output from the other speakers. Ideally, all speakers should provide the same sound output.

- **-12.0dB – +12.0dB (0.0dB)** : Adjust the volume.



- When \triangleleft is pressed while the subwoofer volume is set to “-12 dB”, the “Subwoofer” setting switches to “Off”.
- When “Levels” is adjusted, the adjusted values are set for all the surround modes. To adjust the channel level separately for the different surround modes, use the operation see page 27 “Adjusting the volume of the speakers”.

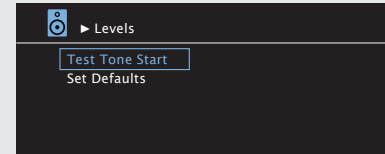
NOTE

- Speakers set to “None” in the “Speaker Config.” (page 6) settings are not displayed.
- When a headphones plug is inserted in the PHONES jack of this unit, the “Levels” is not displayed.
- While speaker level settings can be accomplished by listening to the test tones and switching between the speakers and making adjustments, a sound pressure level meter can aid in the process. You might also be able to use your smartphone as a sound pressure level meter by downloading a sound pressure level app from your smartphone app source.

Default settings are underlined.

Crossovers

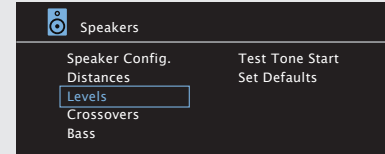
- 4** Press **ENTER** to enter the setting.



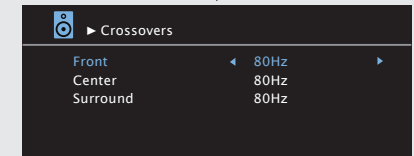
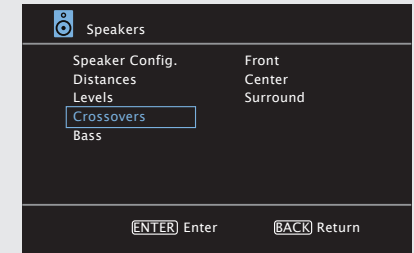
Set Defaults The “Levels” settings are returned to the default settings.

- **Yes** : Reset to the defaults.
- **No** : Do not reset to the defaults.

- 5** Press **BACK**.



- 1** Use Δ / ∇ to select “Crossovers”, and then press **ENTER**.



See overleaf

Crossovers (Continue)

Default settings are underlined.

2 Use Δ / ∇ to select a speaker, and use \triangleleft / \triangleright to select the frequency.

Front / Center / Surround

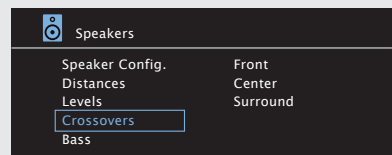
Select speaker for setting of crossover frequency.

- **40Hz / 60Hz / 80Hz / 90Hz / 100Hz / 110Hz / 120Hz / 150Hz / 200Hz / 250Hz** : Set the crossover frequency.



- “Crossovers” can be set when the “Bass” – “SW Mode” (page 9) setting is “LFE+Main”, or when you have a speaker that is set to “Small”.
- The default crossover frequency is “80Hz”, which will work best with the widest variety of speakers. When using very small speakers, however, you can choose a higher setting based on the specified frequency response of the speakers. If the speaker has a specified frequency response of 120 Hz – 20 kHz (as an example), then choose the 120 Hz crossover frequency.
- For speakers set to “Small”, low frequency content below the crossover frequency is attenuated to the speakers and the low bass content is then re-delivered to the subwoofer(s), or the front (L/R) speakers if they have been set to Large.
- The “SW Mode” setting (page 9) determines which speakers can be set.
 - When “LPF for LFE” is selected, speakers set to “Small” at “Speaker Config.” can be set. If the speakers are set to “Large”, “Full Band” is displayed and the setting cannot be made.
 - If set to “LFE+Main”, this setting can be made regardless of the speaker size.

3 Press ENTER to enter the setting.

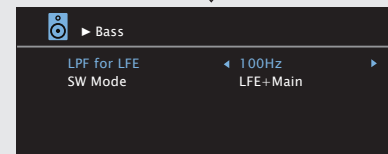
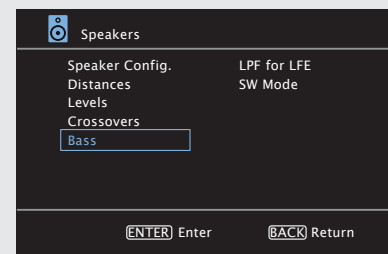


4 Press SETUP. The menu display disappears.

Bass

Default settings are underlined.

1 Use Δ / ∇ to select “Bass”, and then press ENTER.

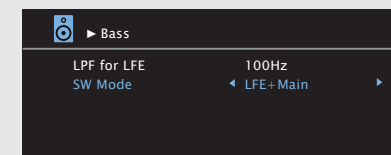


2 Use \triangleleft / \triangleright to select the frequency.

LPF for LFE Set LFE signal playback range. Set this when you want to change the playback frequency (low pass filter point) of the subwoofer.

- **80Hz / 90Hz / 100Hz / 110Hz / 120Hz / 150Hz / 200Hz / 250Hz**

3 Use Δ / ∇ to select “SW Mode”, and use \triangleleft / \triangleright to select a detailed setting.



SW Mode Select low range signals to be reproduced by subwoofer.

- **LFE** : The low range signal of the channel set to “Small” speaker size is added to the LFE signal output from the subwoofer.
- **LFE+Main** : The low range signal of all channels is added to the LFE signal output from the subwoofer. This is usually the best setting for most systems.

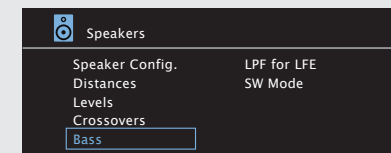


- “SW Mode” can be set when “Speaker Config.” – “Subwoofer” (page 6) is set to other than “No”.
- Play music or a movie source and select the mode offering the strongest bass.
- Select “LFE+Main” if you want the bass signals to always be produced from the subwoofer.

NOTE

If “Front” and “Center” for “Speaker Config.” are set to “Large”, and “SW Mode” is set to “LPF for LFE”, no sound may be output from the subwoofers, depending on the input signal or selected surround mode.

4 Press ENTER to enter the setting.



Playing a Blu-ray Disc player

This section explains the basic operations for surround playback using a Blu-ray Disc player connected to this unit.

For details, see the included CD-ROM (Owner's manual).

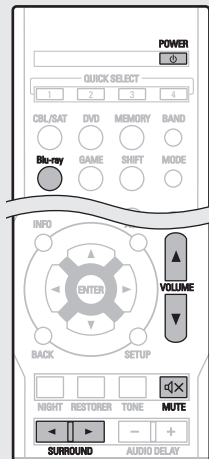
1 Press **Blu-ray** to switch an input source for a player used for playback.

2 **Play the component connected to this unit.**
Make the necessary settings on the player (language setting, subtitles setting, etc.) beforehand.

3 **Adjust the sound volume.**
VOLUME ▲/▼ Volume up /down
MUTE Muting

4 Press **SURROUND ◀** or **SURROUND ▶** to select a listening mode.
The listening mode is displayed on the display or TV screen.

• Each time **SURROUND ◀** or **SURROUND ▶** is pressed, the listening mode is switched. Select the desired listening mode.



When power is switched to standby

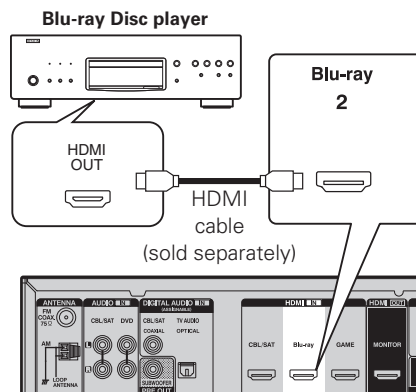
Press **POWER** ⏻.

- Power indicator status in standby mode**
 - Power on : Green
 - Normal standby : Off
 - Standby when "Pass Through" (page 38) is not set to "Off" : Red

NOTE

During power standby, a minimal amount of power is consumed. To totally cut off the power, remove the power cord from the power outlet.

[Connecting a Blu-ray Disc player]



Other operations

See the following items on the included CD-ROM (Owner's manual).

- Playing a Blu-ray Disc player/DVD player
- Selecting a listening mode (Surround mode)
- Playing a portable player
- Playback (Advanced operation)
- Tuning in radio stations
- How to make detailed settings

